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Platform Level Data Model (PLDM) IDs and Codes Specification

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Foreword

The *Platform Level Data Model (PLDM) IDs and Codes Specification* (DSP0245) was prepared by the Platform Management Components Intercommunications (PMCI) Working Group.

DMTF is a not-for-profit association of industry members dedicated to promoting enterprise and systems management and interoperability.

Introduction

This document describes a collection of IDs and codes that are used across Platform Level Data Model (PLDM) specifications. PLDM is designed to be an effective interface and data model that provides efficient access to low-level platform inventory, monitoring, control, event, and data/parameters transfer functions. For example, temperature, voltage, or fan sensors can have a PLDM representation that can be used to monitor/control the platform using a set of PLDM messages. PLDM defines data representations and commands that abstract the platform management hardware.

Platform Level Data Model (PLDM) IDs and Codes Specification

1 Scope

The *Platform Level Data Model (PLDM) IDs and Codes Specification* describes IDs and codes that are used across Platform Level Data Model (PLDM) specifications. Only IDs and codes that are required by a particular PLDM type-specific specification should be included in that specification. ID and code definitions that are provided in this specification should not be duplicated in other specifications.

The sets of codes and identifiers (enumeration values) that are specified in this document are as follows:

- **PLDM Type codes**

  Collection of the PLDM Type codes used for PLDM messages

- **Transport Protocol Type codes**

  Collection of the Transport Protocol Type codes used for PLDM messages

2 Normative References

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

2.1 Approved References

DMTF DSP0240, *Platform Level Data Model (PLDM) Base Specification,*
http://www.dmtf.org/standards/published_documents/DSP0240_1.0.0.pdf

DMTF DSP0241, *Platform Level Data Model (PLDM) over MCTP Binding Specification,*
http://www.dmtf.org/standards/published_documents/DSP0241_1.0.0.pdf

DMTF DSP0246, *Platform Level Data Model (PLDM) for SMBIOS Data Transfer Specification,*
http://www.dmtf.org/standards/published_documents/DSP0246_1.0.0.pdf

DMTF DSP0247, *Platform Level Data Model (PLDM) for BIOS Control and Configuration Specification,*
http://www.dmtf.org/standards/published_documents/DSP0247_1.0.0.pdf

2.2 References under Development

DMTF DSP0248, *Platform Level Data Model (PLDM) for Platform Monitoring and Control Specification*

2.3 Other References

ISO/IEC Directives, Part 2, *Rules for the structure and drafting of International Standards*,
http://isotc.iso.org/livelink/livelink.exe?func=ll&objId=4230456&objAction=browse&sort=subtype

OMG, *Unified Modeling Language (UML) from the Open Management Group (OMG)*, http://www.uml.org/

3 Terms and Definitions

Refer to DSP0240 for terms and definitions that are used across the PLDM specifications.

4 Symbols and Abbreviated Terms

Refer to DSP0240 for symbols and abbreviated terms that are used across the PLDM specifications.

5 Conventions

Refer to DSP0240 for conventions and data types that are used across the PLDM specifications.

6 PLDM Type Codes

Table 1 defines the values of the PLDM Type field for different PLDM types.

Table 1 – PLDM Types

PLDM Type	PLDM Type Code	Description
PLDM Messaging Control and Discovery	000000b	PLDM Messages used to support communication control and discovery operations for PLDM NOTE: PLDM Messaging Control and Discovery is defined in DSP0240.
PLDM for SMBIOS	000001b	PLDM Messages used to support SMBIOS data transfer NOTE: PLDM for SMBIOS Data Transfer is defined in DSP0246.
PLDM for Platform Monitoring and Control	000010b	PLDM Messages used to support platform monitoring and control NOTE: PLDM for Platform Monitoring and Control is defined in DSP0248.
PLDM for BIOS Control and Configuration	000011b	PLDM Messages used to support BIOS control and configuration data transfer between the BIOS and the MC NOTE: PLDM for BIOS Control and Configuration is defined in DSP0247.
Reserved	000100b-111110b	
OEM Specific	111111b	Reserved for OEM-specific PLDM commands

7 Transport Protocol Type Codes

DSP0247 uses a transport protocol type (the transportProtocolType field) in the commands for setting and getting the event receiver information. Table 2 defines the values of the transport protocol type for different transport bindings.

Table 2 – Transport Protocol Type Values

Transport Protocol Type (transportProtocolType)	Value	Description
MCTP	0x00	See DSP0241 for information about PLDM over MCTP binding.
Vendor Specific	0xFF	Vendor-specific transport protocol binding

Annex A
(informative)

Change Log

Version	Date	Author	Description
1.0.0a	9/17/2008	Hemal Shah	1.0.0a Preliminary release
1.0.0	4/23/2009		DMTF Standard Release